

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2006/309890

## A. CLASSIFICATION OF SUBJECT MATTER

**A61K39/395**(2006.01), **A61K38/21**(2006.01), **A61P1/04**(2006.01), **A61P1/16**(2006.01), **A61P3/10**(2006.01), **A61P7/06**(2006.01), **A61P17/06**(2006.01), **A61P21/04**(2006.01), **A61P25/00**(2006.01), **A61P29/00**(2006.01),

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

**A61K38/21**, **A61K39/395**, **A61P1/04**, **A61P1/16**, **A61P3/10**, **A61P7/06**, **A61P17/06**, **A61P21/04**, **A61P25/00**, **A61P29/00**, **A61P35/00**, **A61P35/02**, **A61P37/02**, **A61P43/00**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2006
Kokai Jitsuyo Shinan Koho	1971-2006	Toroku Jitsuyo Shinan Koho	1994-2006

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CA(STN), MEDLINE(STN), EMBASE(STN), BIOSIS(STN)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Dinara Daniel et al., Pathway of Apoptosis Induced in Jurkat T Lymphoblasts by Anti-HLA Class I Antibodies, Human Immunology, Vol.65, pages 189 to 199, 2004 (particularly, page 197, lower left column, the first line to right column, line 8)	1-13
A	Giuliana Cangemi et al., IFN- $\alpha$ mediates the up-regulation of HLA class I on melanoma cells without switching proteasome to immunoproteasome, International Immunology, Vol.15, No.12, pages 1415 to 1421, 2003 (particularly, page 1416, left column, lines 22 to 24)	1-13

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"J" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search  
10 July, 2006 (10.07.06)Date of mailing of the international search report  
18 July, 2006 (18.07.06)Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	O.R. Burrone et al., Stimulation of HLA-A, B, C by IFN- $\alpha$ . The derivation of Molt 4 variants and the differential expression of HLA-A, B, C subsets, The EMBO Journal, Vol.4, No.11, pages 2855 to 2860, 1985(particularly, page 5, table I.)	1-13
A	Naoki KIMURA et al., 2D7 diabody bound to the $\alpha$ 2 domain of HLA class I efficiently induced caspase-independent cell death against malignant and activated lymphoid cells, Biochemical and Biophysical Research Communications, Vol.325, pages 1201 to 1209, 2004	1-13
A	Laurent Genestier et al., Fas-Independent Apoptosis of Activated T Cells Induced by Antibodies to the HLA Class I $\alpha$ 1 Domain, Blood, Vol.90, No.9, pages 3629 to 3639, 1997	1-13